

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1274768

Luminaire Tested: P3AS20R409830D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409830D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

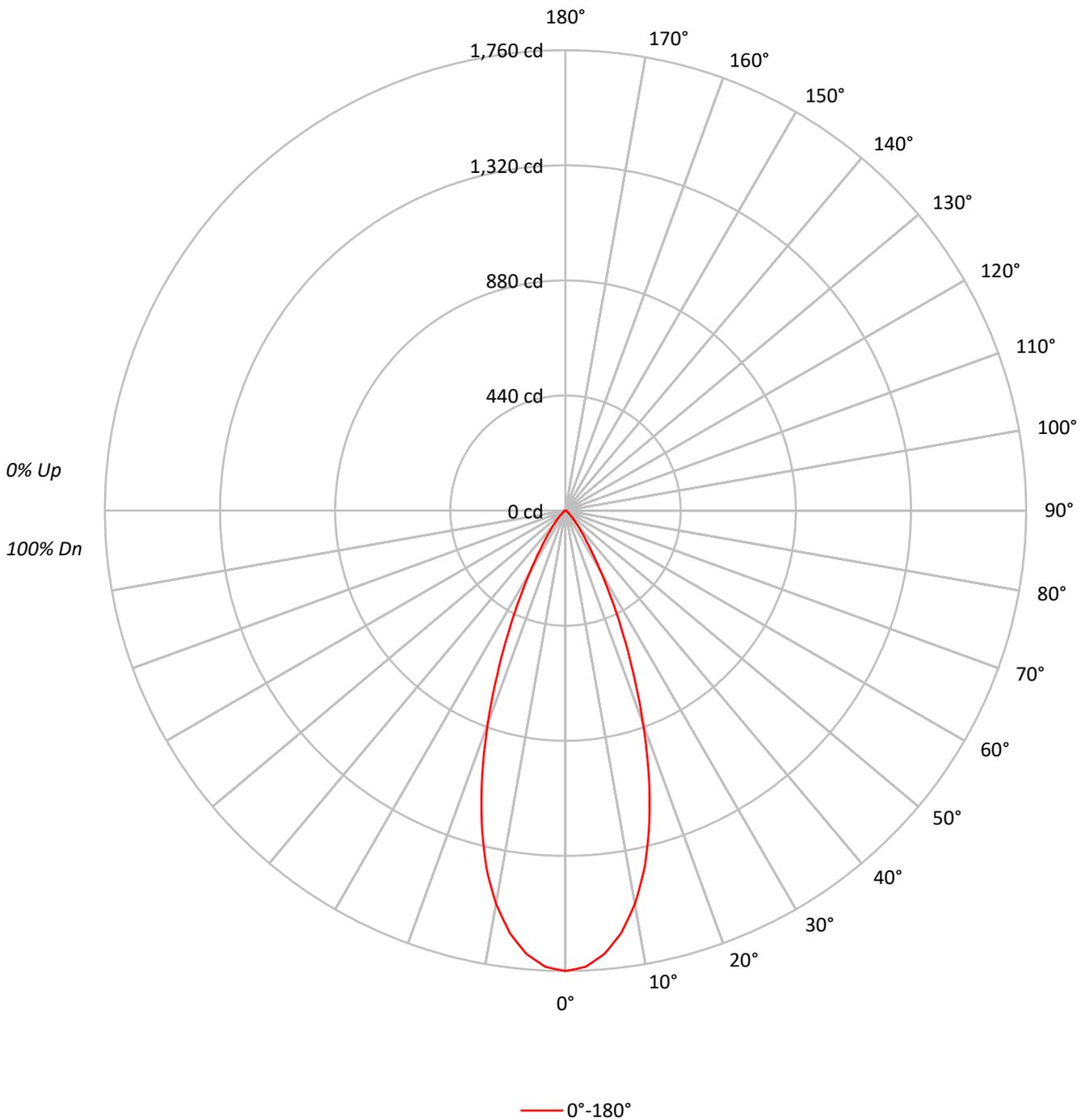
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 871.9 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1274768
CATALOG NUMBER: P3AS20R409830D010 E3DL1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1274768
 CATALOG NUMBER: P3AS20R409830D010 E3DL1GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94	94	94	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	80	80	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63	63	63	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60	60	60	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	385846
5°	374641
10°	339985
15°	280864
20°	202598
25°	125306
30°	67833
35°	35068
40°	19064
45°	10668
50°	5356
55°	4014
60°	3596
65°	3476
70°	3334
75°	3135
80°	2778
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10668 cd/sqm



TEST NUMBER: P1274768
 CATALOG NUMBER: P3AS20R409830D010 E3DL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	18.0
10°-20°	336.9	38.6
20°-30°	240.4	27.6
30°-40°	88.5	10.2
40°-50°	27.9	3.2
50°-60°	9.7	1.1
60°-70°	6.7	0.8
70°-80°	3.9	0.5
80°-90°	1.1	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	734.2	84.2
0°-40°	822.7	94.4
0°-60°	860.2	98.7
0°-90°	871.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1760	
5°	1702	157
15°	1237	337
25°	518	240
35°	131	89
45°	34	28
55°	10	10
65°	7	7
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P1274768
CATALOG NUMBER: P3AS20R409830D010 E3DL1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1759.6
2.5°	1746.2
5°	1702.0
7.5°	1628.7
10°	1526.9
12.5°	1397.4
15°	1237.2
17.5°	1057.6
20°	868.2
22.5°	681.8
25°	517.9
27.5°	380.2
30°	267.9
32.5°	187.9
35°	131.0
37.5°	92.8
40°	66.6
42.5°	47.9
45°	34.4
47.5°	23.2
50°	15.7
52.5°	11.2
55°	10.5
57.5°	9.7
60°	8.2
62.5°	7.5
65°	6.7
67.5°	6.0
70°	5.2
72.5°	4.5
75°	3.7
77.5°	3.0
80°	2.2
82.5°	1.5
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)